

## **THE MASTER OF URBAN DESIGN PROGRAM**

The Program in the Master of Urban Design is a unique interdisciplinary program of advanced study in which exceptional planners, architects, and landscape architects holding professional degrees undertake an intense, focused learning experience. They will share working methods, acquire additional skills, and explore new avenues of development under the supervision of an interdisciplinary group of faculty members in the College of Environmental Design from the Departments of Architecture, Landscape Architecture and Environmental Planning, and City and Regional Planning.

The program addresses the need for professionals interested in engaging with the diverse set of design challenges currently facing cities, regions and territories around the world. Their activities take multiple forms and scales. Urban designers may be concerned with settlement patterns in urbanizing areas, the restructuring of inner cities, and the design of streets and open spaces, buildings, and landscape patterns that establish neighborhoods and provide the settings for public life. They may shape the form and space of specific places such as civic or shopping centers, or they may design citywide systems such as streets, lighting, signing, greenways, or bicycle and pedestrian ways. They may work on infill in older towns and cities, or they may prepare plans, guidelines, or standards to manage extensive new development at the metropolitan growth edge.

The need for urban designers is as urgent today as in any period of recent history. Worldwide, the cities of both developing and developed countries are struggling with problems of managing rapid growth, gentrification, equity, shrinking cities, migration, severe impacts of climate change and other pressing contemporary issues. Urban designers are as necessary in cities of developing countries where infrastructure and land use patterns are being established as in developed cities, where historical continuity and the reuse of existing sites are major issues. Although the M.U.D. program is located in California and focuses on cutting edge issues in the state, students also work in a variety of international contexts in North America, Europe, Asia and the Global South.

## ADMISSIONS

The Master of Urban Design program is intended for exceptionally qualified post-professional students who already have professional work experience. Students must demonstrate evidence of high-quality work and potential for development based on the grade-point average, Graduate Record Examination (GRE) or TOEFL scores, letters of recommendation, and examples of work.

Admission to the Master of Urban Design program requires a prior professional degree in Architecture (B. Arch. or M. Arch.), Landscape Architecture (B.L.A. or M.L.A.), or City and Regional Planning (M.C.P., M.U.P., or equivalent with a strong design background). Professional experience after completion of the professional degree is recommended but not required, depending on the quality of the student's work.

Applicants must submit the online Graduate Division application together with the application fee by mid-December. All items are electronic, and must be uploaded to your application. For specific admission instructions, please see the program website at:

<http://ced.berkeley.edu/admissions/graduate>

- UC Berkeley's Graduate Division application
- Statement of purpose
- Statement of Personal History
- Résumé
- Official transcripts
- Three letters of recommendation
- GRE scores (if applicable)
- TOEFL scores (if applicable - minimum score of 90 [iBT])
- A portfolio of design work

Note: All applicants from countries in which the official language is not English are required to submit official evidence of English language proficiency. This requirement applies to applicants from Bangladesh, Nepal, India, Pakistan, Latin America, the Middle East, Israel, the People's Republic of China, Taiwan, Japan, Korea, Southeast Asia, most European countries, and non-English-speaking countries in Africa. For International applicant admission questions please contact the Graduate Admissions Office at: Phone: 510- 642-7405 or Email: [gradadm@berkeley.edu](mailto:gradadm@berkeley.edu).

## **COURSES IN THE PROGRAM**

The Master of Urban Design degree combines a shared core curriculum with important opportunities to take elective courses tailored to a student's particular areas of interest.

The core courses of the program include two studios and three seminars created specifically for Master of Urban Design (MUD) students. In the fall semester MUD students enroll in the Fundamentals of Urban Design Studio (ENV DES 201). This intensive studio introduces students to the fundamentals of city building while also examining the issues that cities and regions face globally. It involves collaborative work on problems that are large in scope, yet require attention to spatial organization and design details. The second fall semester core course is Discourses in Urban Design (ENV DES 251), an introduction to the program, faculty resources, and issues in current urban design practice. The third core course is the urban economics module (CP298) which introduces key economic issues and concepts. In the spring seminar, Thesis Research and Preparation, (ENV DES 252) brings all candidates in the program together to develop and discuss their individual thesis/advanced design projects. In the summer, MUD students enroll in the thesis or advanced design project studio (ENV DES 253). Students complete their thesis or design projects by late summer and present them to faculty and incoming students during orientation week of fall semester.

An additional requirement is a second studio course in the spring semester, a MUD studio or a graduate studio in one of the three departments. As advanced candidates, MUD students are expected to relating these studios to the content of the Master of Urban Design program.

Students must also complete a course that offers instruction in methods for urban design practice or research and a course in urban design history or theory.

Finally, in addition, students have the opportunity to take elective courses from offerings in the College of Environmental Design and the university.

## **DEGREE REQUIREMENTS**

To earn the MUD degree, students must complete one year (two consecutive semesters and summer sessions) in residence, 32 units of coursework, the core curriculum, and an Advanced Design Project or Master's Thesis.

### **CORE CURRICULUM**

Every MUD student must complete the following core curriculum:

MUD courses:

ENV DES 201: Urban Design Fundamentals Studio (Fall, 5 units)

ENV DES 251: Discourses in Urban Design (Fall, 3 units)

CY PLAN 298: Economics Module (Fall, 1 unit)

ENV DES 252: Thesis Research and Preparation (Sp, 3 units)

ENV DES 253: Thesis Studio (Summer, 4-6 units)

### **SECOND STUDIO REQUIREMENT:**

Students can select Spring semester studios with an urban design focus available in all three departments or, if offered, an M.U.D. advanced studio. Note: topics change from semester to semester. Options will be available in the fall semester:

ENV DES 202: Urban Design Studio (Sp, 5 units)

ARCH 202: Case Studies in Architectural Design—urban design focus (Sp, 5 units)

CY PLAN 248: Advanced Urban Design Studio (Sp, 5 units)

LD ARCH 202: Design of Landscape Sites (Sp, 5 units)

LD ARCH 204: Advanced Project Design (Sp, 5 units)

LD ARCH 205: Environmental Planning Studio—urban design focus (Sp, 5 units)

### **METHODS REQUIREMENT:**

Students must complete one of the following courses:

LD ARCH 241/CY PLAN 241: Research Methods in Environmental Design (F, 4 units)

LD ARCH 242/CY PLAN 261: Citizen Participation in the Planning Process (F, 3 units)

ARCH 209A-X: Seminar in Architectural Design—urban design focus (F or SP, 3 units)

(These courses are cross-listed in both the Department of Landscape Architecture and the Department of City and Regional Planning; MUD students may enroll using either course number.)

**HISTORY/THEORY REQUIREMENT:** Students must complete one of the following courses:

LD ARCH 250/CY PLAN 240: History and Theory of Urban Form (Sp, 3 units) ‡

CY PLAN 249: Urban Design in Planning (Sp, 3 units)

LD ARCH 251: Theories of Landscape Architecture and Environmental Planning (F, 2 units)

ARCH 279: Contemporary Urban Dynamics (F, 3 units)

**ELECTIVES:** Additional elective courses based on student interests. Students are encouraged to explore the broad range of courses available across the College and University to expand their knowledge base and skills and develop specific topics.

**TOTAL MINIMUM UNITS: 32**

## **SAMPLE PROGRAM**

### **FALL SEMESTER**

- ENV DES 201: Urban Design Fundamentals Studio
- ENV DES 251: Discourses in Urban Design
- CP 298: Economics Module
- History/Theory or Methods Courses and/ or Elective
- Additional Optional Elective

### **WINTER BREAK**

Students are expected to work on their thesis/ advanced design project over the winter break

### **SPRING SEMESTER**

- ENV DES 252: Studio Option (urban design focus)
- History/Theory or Methods Course and/or Elective
- Thesis Research and Preparation
- Elective or Independent Study

### **SUMMER**

- ENV DES 253: Thesis Studio\* 4

\*ENV DES 253 is held during UC Berkeley's Summer Session B, a 10-week session that runs from early June through mid-August.

**Total Units 32**

## **ADVANCED DESIGN PROJECT/ THESIS**

Students have a choice of pursuing two different types of final projects: either an **Advanced Design Project** (Plan II), filed with the MUD Program or a **Thesis-design Project** (Plan I), filed with the Graduate Division.

The **Advanced Design Project** (Plan II) starts with a specific site, program or design problem. It is explored through extensive site analysis, review and analysis of relevant precedents, the development of design alternatives leading to a design proposition that addresses the challenges of the site and problem.

### Requirements:

- • Students must form a Committee including at least two members from the MUD Graduate Group and are encouraged to add additional members from the Academic Senate or the professional community with expertise in their project.
- • The work leads to an Advanced Design Project Report, a document that includes all the drawings from the final presentation and a brief written description that describes the project and the design approach and concept, i.e., the design project. It is filed with the MUD program.
- • While conforming to proper scholarly conventions, the format and graphic design is up to the student.

### Schedule:

- • A preliminary design proposal is prepared during the fall semester (in ENV DES 251) and presented to the MUD faculty at the end of the semester.
- • The work is substantially developed during the spring semester (in ENV DES 252) and presented to the MUD faculty at a series of pin-ups.
- • Students must have formed their Committee and identified their Chair by the end of the third week of the spring semester.
- • Students must present a draft of their thesis with preliminary exploratory drawings and diagrams of their design propositions at the end of the semester.
- • The work is finalized during the summer (in ENV DES 253) and a substantially completed draft of the Advanced Design Project must be completed and filed by the end of Summer Sessions (approximately August 15). The draft should include a signature page, and should be in electronic form.
- • The final Advanced Design Project is presented to MUD faculty, alumni and in-coming MUD students at the beginning of the fall semester.
- • A revised version of the Advanced Design Project (in electronic form) is due at the end of September.

**Thesis Project** (Plan I) starts with a topic or issue and a set of related questions. It is explored through a review of relevant scholarly literature, applicable case studies and logical analysis of the discourse in the topic area. The exploration leads to a design proposition (or thesis) that demonstrates how the exploration is transformative in the creation of urban places. It must demonstrate its impact through a design that engages the spatial and environmental analysis of a particular site and context.

Requirements:

- • Students must form a Committee with a minimum of three members of the Berkeley Academic Senate including at least two from the MUD Graduate Group.
- • The thesis is a written document that along with the drawings presented at the final review is filed with the Graduate Division on their filing date and is archived in the CED Library.
- • The thesis must conform to proper scholarly conventions and satisfy the style guidelines of the Graduate Division.
- • A preliminary thesis proposal is prepared during the fall semester (in ENV DES 251) and presented to the MUD faculty at the end of the semester.
- • The thesis is substantially developed during the spring semester (in ENV DES 252) and presented to the MUD faculty at a series of pin-ups.
- • Students must have formed their Committee and identified their thesis Chair by the end of the third week of the spring semester.
- • Students must present a draft of their thesis chapters with preliminary exploratory drawings and diagrams of their design application at the end of the semester.
- • The thesis is finalized during the summer (in ENV DES 253) and a finished draft must be completed and signed off on by each student's Committee and filed by the end of Summer Sessions (approximately August 15)
- • The final thesis is presented to MUD faculty, alumni and in-coming MUD students at the beginning of the fall semester. During the period between the sign-off on the final draft and the final presentation, students are allowed to add additional drawings and diagrams that help explain their thesis.

## **HUMAN RESEARCH PROTECTION**

The Committee for Protection of Human Subjects (CPHS) serves as the institutional review board (IRB) at UC Berkeley. The IRB must review and approve the use of human subjects in research. The process is designed to ensure that the rights and welfare of human subjects are protected throughout their participation in research projects. UC Berkeley operates within the regulations and guidelines set forth by federal authorities, primarily the Office for Human Research Protections and the Food and Drug Administration, as well as other bodies. The Office for the Protection of Human Subjects (OPHS) provides operational and staffing support to the CPHS and administers all human subjects research performed on behalf of UC Berkeley. To determine if your project requires CPHS/OPHS review, we suggest that you start with the links below. Protocol approval is needed before any surveys or interviews are conducted.

What Needs CPHS/OPHS Review: <http://cphs.berkeley.edu/review.html>

Where to Start: Decision Tree: <http://cphs.berkeley.edu/DecisionTree.pdf>

CPHS Guidelines on Exempt Research: <http://cphs.berkeley.edu/exempt.pdf>

## **CORE COURSE DESCRIPTIONS**

### **ENV DES 201 URBAN DESIGN FUNDAMENTALS STUDIO (F, 5 units)**

The advanced design studio involves collaborative work on problems that are large in scope, yet require attention to spatial organization and design details. This core urban design studio differs from traditional studios in several ways. First, the level of work expected of students with advanced standing allows the exploration in depth of complex urban design problems that normally exceed the capacities of first professional degree students. Second, the studio design work is broader in scope and more integrated in approach than is normally possible; the range of professional backgrounds that the student and faculty participants bring to the discussions and design explorations enables all students to recognize and work with the interrelated problems of urban design and to learn how to work together effectively in interdisciplinary teams. Third, the work examines both public and private development opportunities in existing built environments and urban circumstances. We expect to foresee urban issues and design problems that will soon be coming into public focus and to conduct and present exploratory studies that will help shape those issues for further professional study and public involvement.

### **ENV DES 251 DISCOURSES AND METHODS IN CONTEMPORARY URBAN DESIGN (F, 3 units)**

This seminar introduces students to the M.U.D. program and faculty resources. Lectures present current Issues in urban design practice followed by a seminar discussing contemporary design approaches. Over the course of the semester, students are expected to consider a preliminary advanced project design or thesis proposal and prepare to present it to the MUD faculty.

### **ENV DES 252 THESIS RESEARCH AND PREPARATION (Sp, 3 units)**

This seminar focuses on developing individual urban design interests, particularly on research and design for thesis/advanced design project. Thesis project topics are developed individually by the student in consultation with faculty of the Graduate Group in Urban Design. Coursework consists of lectures, discussions, and student presentations. Students are expected to have a highly developed thesis/advanced design project by the end of the course.

### **ENV DES 253 THESIS STUDIO (Summer, 4-6 units)**

The summer thesis studio provides students with a supportive environment in which to complete their self-directed individual design thesis projects. Guidance is provided by a professional urban design practitioner who directs the studio with participation by other practitioners and some faculty of the Graduate Group in Urban Design. Work leads to completion of the thesis design project by late summer and presentation to faculty and students during orientation week of the fall.



## RESOURCES OF THE COLLEGE & UNIVERSITY

- Environmental Design Library
- Geographic and Information Science Laboratory
- CED Digital Fabrication Lab
- Real Estate Development and Design Program
- CED Fabrication Shop
- Jacobs Institute for Design Innovation
- Center for New Media
- CED Computer Lab and Technology Services

## CORE FACULTY

The core faculty group in urban design is comprised of those faculty from the three departments in the College of Environmental Design who are engaged in urban design research, teaching, and professional practice. In addition, there are faculty whose teaching and research connect with urban design. Current faculty research interests include design of streets and public places, urban infill and repair, design at the urban edge, innovative real estate practices, sustainable cities, green infrastructure, informal urbanism, form and structure of urban places, and urban density and scale, among many other topics.

### **Christopher Calott, M. Arch., B.A. Urban Theory & Design**

Christopher Calott is the Lalanne Chair in Real Estate, Architecture & Urbanism, and Faculty Director of the Master of Real Estate Development + Design Program beginning in 2018. Calott is an award-winning architect, urban designer, academic and real estate developer. Formerly the principal of CALOTT + GIFFORD Architecture / Urban Design and founding partner of the real estate development firm INFILL SOLUTIONS: Innovative Urban Design and Development, his two firms work together to create innovative mixed-use urban housing, dense infill developments, affordable housing, transit-oriented developments, and vibrant public plazas working principally in cities throughout the American Southwest. He has also pursued significant research in the areas of urbanism, housing, and community-based design practices through publications and teaching appointments at universities throughout the United States, Mexico, and Latin America. Prior to his arrival at the CED, Calott was the Director of the Master of Sustainable Real Estate Development Program at Tulane University's School of Architecture, where he developed a curriculum in "regenerative development", working with students in post-Katrina New Orleans, and throughout the United States. Calott's current design and real estate development practice in the Bay Area is actively engaged in large infill redevelopment projects which seek solutions to affordable housing and social equity issues in the region.

### **Renée Chow, M. Arch.**

Professor Chow's design work, research and teaching focus on the production of the everyday environment -- premised on seeing built and open spaces, public and private places as a continuum that holds our communities and cultures. Her writing describes alternatives for practice and strategies for addressing contemporary problems of city building. She is author of an award winning book, *Suburban Space: The Fabric of Dwelling* (2002) and has recently published a book entitled *Field Urbanism: Changing Forms of Chinese Cities*. She is a Principal of

Studio URBIS and with the firm she has completed numerous residential, commercial, institutional, and urban design projects in the United States and China. She currently serves as Associate Dean for Undergraduate Studies and held the Eva Li Chair in Design Ethics from 2005-2010. Chow received both her undergraduate and M.Arch. degrees from Massachusetts Institute of Technology. She is currently the Chair of the Architecture department.

### **Margaret Crawford, Ph.D. Urban Planning**

Margaret Crawford holds degrees in Architectural History, Housing, and Urban Planning. She has been involved with Urban Design since the late 1990s, when she co-taught Urban Design studios at SCI-Arc. That led to co-editing the book, *Everyday Urbanism* with John Kaliski and John Chase. The book made a significant impact in the urban design community, leading Doug Kelbaugh to call it "one of the 3 leading paradigms today in urban design." From 2000-2009, Crawford was a tenured professor in the Urban Design program at the Harvard GSD. She has also taught at Southern California Institute for Architecture, the University of Southern California, UC San Diego, UC Santa Barbara, the University of Florence, and the South China Institute of Technology. Crawford has been the recipient of numerous fellowships, including the Guggenheim, Fulbright, Quadrant, James Marsden Fitch Foundation, and Graham Foundation. Her research focuses on the evolution, uses and meanings of urban space. She edited *The Car and the City: The Automobile, the Built Environment and Daily Urban Life* and *Urbanization in China: Critical Concepts in Urban Studies* (with Marco Cenzatti) and is the author of *Building the Workingman's Paradise: The Design of American Company Towns* and numerous articles about immigrant spatial practices, shopping malls, public space, and other issues in the American built environment. Since 2003, Crawford has been investigating the effects of rapid physical and social changes on villages in China's Pearl River Delta. At Berkeley, she teaches courses in the history and theory of architecture, urbanism and urban history and studios focusing on small scale urbanity.

### **René Davids, A.I.A., M.A., B.Arch.**

Rene Davids, F.A.I.A. has an architectural degree from the Universidad de Chile in Santiago and M. Des. from the Royal College in London, UK and is a principal of Davids Killory Architecture. Work includes: Sunrise Place housing for extended families and Daybreak Grove housing for homeless mothers and children, both in Escondido, California; Observatory House in San Diego, Red House in Berkeley, California. The design work of Davids Killory Architects is a laboratory for the exploration of new materials and technologies as well as the reinterpretation of traditional building types, the potential for landscape to influence architectural form, and the development of architecture responsive to social change. The work of the firm has been published around the world and honored with numerous awards, among them two Presidential Design Awards from the National Endowment for the Arts, three AIA National Honor and Progressive Architecture Awards. Davids was awarded (2008) first prize (with Taylor Medlin) out of 733 entries for the 43rd World Heritage Site competition sponsored by Central Glass and Shinkenchi Corporation, and an Honorable Mention with Eleanor Pries at the San Francisco Botanical Garden's Godwanna Circle competition (2009). A recipient of the John Simon Guggenheim Memorial Foundation Fellowship, Davids is currently working on a book that examines the relationship between topography and urbanism in selected Latin American cities. With Christine Killory he received a Graham Foundation Fellowship for *As Built: Theory of Practice*, a continuing biannual series of books published by Princeton Architectural Press on

technical and material innovation in architecture. The first volume, *Details in Contemporary Architecture*, was published in 2006; the second volume, *Detail in Process*, in 2008. The third volume, *Detail Technology and Form*, was in 2012. Davids was the recipient of a Senior Fulbright Scholarship in 2012. Teaching consists of graduate and undergraduate design studios and seminars in urban design theory and construction details.

**Nicholas de Monchaux, M.Arch. (on leave 2019-2020)**

Nicholas de Monchaux is Associate Professor of Architecture and Urban Design at the University of California, Berkeley. He is the author of *Spacesuit: Fashioning Apollo* (MIT Press, 2011), an architectural and urban history of the Apollo Spacesuit, winner of the Eugene Emme award from the American Astronautical Society and shortlisted for the Art Book Prize. His design work has been exhibited at the Biennial of the Americas, the Venice Architecture Biennale, SFMOMA, and the Museum of Contemporary Art in Chicago.

**Harrison S. Fraker, Jr., M.F.A., F.A.I.A.**

Harrison S. Fraker, Jr. is Professor and former Dean of the College of Environmental Design at the University of California, Berkeley. Educated as an architect and urban designer at Princeton and Cambridge Universities, he has pursued a career bridging innovative architecture education and award winning professional practice. He has helped implement new models of education and research which build strategic partnerships between the college and design professionals. He believes that environmental planning and design education has much to learn and much to contribute to new knowledge about the most critical environmental design challenges facing society, by considering both the pragmatic and the theoretical questions of social and environmental responsibility and the importance of process in the art of building. Fraker has recently authored *The Hidden Potential of Sustainable Neighborhoods: Lessons From Low-Carbon Communities*, in which he discusses effective low-carbon designs that are both livable and sustainable.

**Kristina Hill, Ph.D.**

Kristina Hill approaches urban design as an interaction between forms built by people and processes driven by physics and biology. Winds, tides, river flooding, animal migration, traffic patterns, and social history co-exist and interact with each other along the edge of the San Francisco Bay, and in other coastal cities. Kristina is fascinated by these interactions, and consults on urban systems as a member of design teams, using insights gained from her studies of how cities can integrate natural processes. Kristina specializes in infrastructure design as a driver of urbanization that adapts to changing environmental processes. She teaches a course on urban adaptation to sea level rise, along with graduate design studios.

**Richard Hindle, M.L.A.**

Richard Hindle is a landscape architect, urban designer and assistant professor at the College of Environmental Design, University of California, Berkeley, where he teaches design studios in landscape architecture, and courses in plants & applications and structure/infrastructure. Richard's interests are in landscape and plant technologies including horticultural and material processes, innovation, and patents; green roof technologies; landscape related technologies across a range of scales, from ecosystem to site

**Walter Hood, M.L.A., M. Arch.**

Walter Hood is Professor in Landscape Architecture, specializing in landscape design; community development; citizen participation, particularly ethnic groups and the design of architecture and the landscape simultaneously. Hood is an artist, designer, and educator. He regularly exhibits and lectures on professional and theoretical projects nationally and internationally, while his studio engages in architectural commissions, urban design, art installations, and research. He recently served as the Goldman Sachs Design Fellow for the Smithsonian Institute in Washington, DC. Other honors include the AIA Award for Collaborative Achievement and a USA Character Approved Honor by NBC Universal. In 2010, he received the Cooper-Hewitt National Design Award for Landscape Design. He is a Fellow of the American Academy in Rome. His work was featured in Art Institute of Chicago's "Learning Modern" exhibition, and the February 2010 issue of "Art in America". He was a selected winner for the Venice Biennale. He started his firm, Hood Design, in 1981, as a cultural practice committed to creating environments in which people live work and play. The studio practice engages urban landscape where a collective density of inhabitants share physical, social, political and economic resources. (<http://www.wjhooddesign.com/home.html>). Hood has taught at the Graduate School of Design, Harvard University, and the summer program in Urban Design in Urbino, Italy. He has lectured in the U.S. and abroad. His national award winning research project, 'Urban Diaries', was selected for the U.C. Art Museum Spring 1995 Urban Revisions Exhibit. He is also the author of the national award winning pamphlet *Jazz and Blues Landscapes*.

**Elizabeth Macdonald, Ph.D., M.C.P., M.L.A.**

Professor Macdonald is trained in urban design, city planning, landscape architecture, and architecture. She is a registered architect and practices urban design as a partner in the firm of Jacobs Macdonald: Cityworks. Her research and professional practice focuses on urban public realm design, particularly streets, small public spaces, and waterfront promenades. Additional interests include the historical evolution of urban form, urban design theory, ecological responsibility, design for active living, and built form typology. Professional work has included streetscape planning and design projects for the cities of Abu Dhabi, Vancouver, Oakland, and San Francisco. She is author of *Pleasure Drives and Promenades: A History of Olmsted and Vaux's Brooklyn Parkways*, co-author of *The Boulevard Book: History, Evolution, Design of Multiway Boulevards* (with Allan B. Jacobs and Yodan Rofe), and co-editor of *The Urban Design Reader* (with Michael Larice).

**Louise A. Mazingo, M.L.A.**

Professor Mazingo received her Master in Landscape Architecture from University of California, Berkeley and undergraduate degrees in Biology and Art History from the College of William and Mary, Williamsburg, Virginia. A former Associate and senior landscape architect for Sasaki Associates, Prof. Mazingo joined the department after a decade of professional practice, managing a range of master planning and design projects. Prof. Mazingo's research and creative work focuses on ecological design, landscape history, and social processes in public landscapes. Her particular concern is the planning and design of collective and public open spaces that produce both ecological and social sustainability, and thrive to support civil society in an increasingly multi-cultural world. Prof. Mazingo has been the recipient of Harvard University's Dumbarton Oaks Fellowship for Studies in Landscape Architecture, the Council of

Educators in Landscape Architecture Award of Recognition for Excellence in Teaching, Writing, and Service, and the University of California, Berkeley Chancellor's Award of Recognition for University and Community Partnerships. Professor Mozingo's articles and reviews have appeared in *Places*, *Landscape Journal*, *Journal of the History of Gardens and Designed Landscapes*, *Landscape Architecture Magazine*, *Geographical Review*, and the *Journal of the Society of Architectural Historians*. She has contributed chapters to *Everyday America; Cultural Landscape Studies after J.B. Jackson* (2003) edited by Chris Wilson and Paul Groth and the *Healing Natures* edited by Robert France. In 2013, Mozingo authored *Pastoral Capitalism*, a book describing the evolution of postwar urbanism in the context of capital enterprise.

**John Radke, Ph.D., M.A.**

Professor Radke's research interests are in the design and development of analytical methods embedded in geographic information science (GIS). His interests include the development of metrics that assist scientists and design professionals in recognizing spatial structure and change in complex landscapes. These metrics advance our ability to classify and make sense of very large databases generated by sophisticated sensors that record and map spatial distributions of phenomena. Processing and characterizing the morphology of landscapes in these data rich environments aids urban designers and planners in their quest to construct and apply spatial interaction models to real world problems, such as: modeling the consequences of infrastructure failure in an urban context; assessing potential fire risk in the wild-land urban interface; assessing failure in highly erodible terrains; measuring and predicting landscape hazards; modeling the consequences of sea level rise and storm inundation on coastal cities; and our ability to respond and mitigate human disasters.

**Daniel Rodriguez,**

Daniel A. Rodríguez is Chancellor's Professor of City and Regional Planning. His research focuses on the relationship between transportation, land development, and the health and environmental impacts that follow. His most recent work focuses on the health and equity impacts of urban transportation policy. In a current project he is examining the impact of transportation innovations (bus rapid transit, aerial trams, protected and unprotected bicycle lane networks) on land markets and development.

## LECTURERS

### **John Ellis**

John is an architect, urban designer and teacher with more than 40 years of experience. He is currently a Partner at Mithun | Solomon in San Francisco. John was previously Director of Urban Design at Daniel Solomon Design Partners, where he directed numerous projects focused on sustainable urbanism. John's work involves developing strategies for revitalization, whether at the scale of a downtown, such as Hayward, California; a corridor that links several neighborhoods such as the Sacramento Riverfront Master Plan; or the development of a distinct neighborhood or site such as the master plan for rebuilding the public housing at Jordan Downs, Los Angeles. He led the team for the award winning Coyote Valley Vision Plan for a sustainable transit-oriented community in San Jose for the Greenbelt Alliance. Recent work includes a master plan for a 1,200 unit demonstration project of affordable housing in the new city of Binhai outside Tianjin, China. John has taught for many years and in 2012 was the inaugural Visiting Professor of Sustainable Urban Design at Cambridge University.

### **Stefan Pelligrini**

Stefan Pellegrini is an architect, urbanist, and planner. During his career, Stefan has contributed to a wide variety of urban design, planning, and architecture projects, including the design of new towns, master planning and revitalization endeavors for central cities, and the design of mixed-use and civic structures. Much of his recent work has focused on community-based planning, coding, and revitalization strategies for small towns and underserved communities, as well as the development of contemporary urban design guidelines and Form-Based Codes. Stefan has worked with Opticos Design since 2001, where he serves as principal. His professional and academic work has won numerous awards, including an Urban Design Travelling Fellowship from the Skidmore Owings & Merrill Foundation (2002), the Chicago Institute of Architecture and Urbanism Award (2002), and the Driehaus Form-Based Coding Award (2008 and 2011). He studied architecture at the University of Notre Dame and urban design at UC Berkeley.

## EMERITI PROFESSORS

The College of Environmental Design has a long history of excellence in urban design education and research. For many decades the Department of Architecture was noted for contextual design with faculty such as William Wurster, Joseph Esherick, Vernon DeMars, and Charles Moore. Beginning in the late 1940s the Department of City Planning laid a solid foundation for urban design in its physical approach to city planning in the work of T. J. Kent, Jr., Corwin Mocine, Sidney Williams, and Fran Violich. In the late 1960s urban design education at Berkeley gained momentum with the appointments of Donald Appleyard and Roger Montgomery. Appleyard, who had studied and worked under Kevin Lynch at MIT, brought a strong interest in environmental perception. Under his leadership the Environmental Simulation Laboratory and *Places* magazine were founded. In the 1970s both Allan Jacobs, the former planning director for San Francisco, and Donlyn Lyndon joined the College faculty.

### **Richard Bender, M.Arch., B.C.E. Civil Engineering (Emeritus)**

Emeritus Dean and Professor of the College of Environmental Design at Berkeley, Richard Bender is an architect, civil engineer and planner with a practice specializing in urban and

community planning, town planning, campus planning and the planning and replanning of obsolete and damaged industrial and waste sites. He has been involved in the planning of new towns and large-scale urban development projects around the world. Professor Bender serves as the director of the Urban Construction Laboratory at Berkeley, and is the Visiting "GC-5" Professor of Urban Design and Construction at Tokyo University and Honorary Professor at the Universit Europeene de Maitrise D'Oeuvre Urbaine in Cergy-Pontoise, France. As the organizer and first chair of the City Planning Commission's Architectural Review Panel, he was involved in the "Downtown Plan" for San Francisco. Professor Bender was a founding director of the non-profit Bridge Housing Corporation.

**Peter C. Bosselmann, Dipl. Ing. Arch., M. Arch. (Emeritus)**

Professor Bosselmann works nationally and internationally on urban design and planning projects. He received Progressive Architecture awards, APA, ASLA and ARCH Institute awards for his urban design work in New York City, Toronto and San Francisco. He established urban simulation laboratories in Milan, New York City and in Tokyo, modeled after the Berkeley laboratory that has been under his direction since 1983. His recent book, *Urban Transformation – Understanding City Design and Form*, 2008 explores how designers gain empirical knowledge necessary for the transformation of cities. His earlier book, *Representation of Places: Reality and Realism in City Design*, 1998, found much acclaim among scholars in history, psychology, journalism, geography, film, architecture and planning. Bosselmann held endowed chairs at Tokyo University, the Royal Academy of Arts in Copenhagen, at the Milan Politecnico and a visiting professor ship at Delft in the Netherlands. He has produced numerous educational films about urban design issues in San Francisco and New York City; memorable ones include Times Square narrated by Jason Robards, and New York's Upper East Side, narrated by Paul Newman. His latest book *Adaptations*, the metropolitan landscape of three delta regions was published in 2017.

**Elizabeth Deakin, J.D., S.M., S.B. (Emeritus)**

Professor Deakin is interested in the interrelations among transportation, land use, and the environment. She has worked on the transportation elements of several design projects including the Hayward Area Downtown Plan and Communications Hill, San Jose, both of which won AIA awards, and the LUTRAQ (Land Use Transportation -Air Quality) project in Portland OR which won an APA award. She has worked on transportation-land use planning issues in the US, the EU, and in China, Mexico, Argentina, Ecuador, and India and has worked with government and university research groups on sustainable development policies in Sweden, the Netherlands, Denmark, Germany, and Australia. She currently is working with California officials on transportation-land use strategies to reduce greenhouse gases.

**Randolph T. Hester, Jr., M.L.A.(Emeritus)**

Professor Hester is a landscape architect and sociologist interested in integrating planning and design decisions at the scales of neighborhood, city, and region so that both the needs of the poorest citizens and ecological resilience are met. His books include *Community Design Primer*, *Planning Neighborhood Space with People*, *The Meaning of Gardens*, and *Democratic Design in the Pacific Rim*. He teaches courses in citizen participation in city planning and sacred landscapes.

**Allan B. Jacobs, M.C.P., B. Arch. (Emeritus)**

Professor Jacobs works primarily at the urban scale in large cities, and may be characterized as an urban designer and city planner. He is concerned with the design of the public realm-- streets, spaces, parks--and with achieving private development that helps to achieve community aspirations. He has worked in many cities, perhaps most notably as the Director of San Francisco's Department of City Planning. He writes on city planning and urban design, notably on the uses of observation as a design and planning tool. His books include *Great Streets*, *Looking at Cities*, *Making City Planning Work*, and, with Elizabeth Macdonald and Yodan Rofe, *The Boulevard Book*.

**Linda Jewell, M.L.A., B. Arch., F.A.S.L.A. (Emeritus)**

Linda Jewell is a Professor of Landscape Architecture and Environmental Planning at UC Berkeley, a partner in the Berkeley firm of Freeman & Jewell and, until 2011, a consulting partner in the Raleigh N.C. firm, Reynolds & Jewell. Jewell has written more than 40 articles for Landscape Architecture magazine and other professional and academic design publications. Her design work and publications have won numerous National ASLA honor and merit awards, including the prestigious Presidential Award in Communications, the Bradford Williams Medal and the Jot Carpenter Teaching Medal. She has taught at North Carolina State University and the University of Pennsylvania as well as served as Chair of Landscape Architecture at both Harvard University and UC Berkeley. She is presently working on the book, *Gathering on the Ground: Experiencing Landscape in the American Outdoor Theater*.

**John Lund Kriken, M. Arch., F.A.I.A.**

An internationally known planner and city designer, Mr. Kriken founded the Planning and Urban Design Studio of Skidmore, Owings & Merrill's San Francisco office. He is known for his work on large-scale commissions designing large districts within cities, high-density inner cities, entirely new cities and plans for the conservation and development of open land. His Saigon South project for the expansion of Ho Chi Minh city won both an Urban Design Award from Progressive Architecture and a National Honor Award from the American Institute of Architects. Both his Shanghai and Hong Kong Waterfront plans won National Honor Awards from the AIA in the year 2000. Mr. Kriken received a Master of Architecture in Urban Design from Harvard University's Graduate School of Design and a Bachelor of Architecture from University of California Berkeley's College of Environmental Design. He has authored a number of articles and book chapters including "The Design for Arid Regions" for Gideon Golany's *Town Planning and Cultural and Climate Responsiveness* and the "Urban Design" chapter for the International City Managers Association and the American Planning Association's *The Practice of Local Government Planning*. He recently published *City Building: Nine Planning Principles for the Twenty-First Century*, a book with Philip Enquist and Richard Rapaport, and in 2013, it was republished in Chinese. In 2012, John earned an Award for Global Excellence from the international Urban Land Institute for Saigon South which is for the expansion of HCM City Vietnam for one million people. In 2013, John earned a National AIA Urban Design Award for an Experimental Agricultural Village near the City of Jiaxing, China.

**Donlyn Lyndon, M.F.A., F.A.I.A. (Emeritus)**

Donlyn Lyndon is Eva Li Professor of Architecture, emeritus and active in the Urban Places Design Group. He is a leading proponent of urban design based on a strong sense of place, and



the balancing of new and contemporary design with the history, regional elements and landscape of a location. He was a founding editor of the journal *Places : Forum of Design for the Public Realm*, author of *The City Observed: Boston*, co-author of *The Place of Houses*, *Chambers for a Memory Palace* and *The Sea Ranch*. He was Coordinator of the Mayors Institute on City Design at UC Berkeley, and served on the Architectural Advisory Board for the US State Department, Formerly, Mr. Lyndon was professor and Head of the Department of Architecture at the Massachusetts Institute of Technology and the University of Oregon. He has designed numerous residential, and institutional projects: the best known works being Sea Ranch Condominiums in California, (now on the National Register of Historic Places) and New Pembroke Dormitories at Brown University. Urban design projects include planning and design of public spaces for the cities of Berkeley, Pasadena, Santa Cruz, and West Sacramento in California, and the cities of Amherst and Northampton in Massachusetts. As Chair of the Commons Landscape committee at The Sea Ranch he is leading the preparation of landscape management plans for its ten mile stretch of the Sonoma Coast.

**Daniel Solomon, M. Arch., F.A.I.A. (Emeritus)**

Professor Solomon is an architect and urban designer whose principal interest lies in the reciprocity between building form and urban space. Much of his built work is housing and much of his urban design work consists of *regulatory* structures that address housing. He is the recipient of fifty design awards, including national urban design awards from the AIA and AID and four Progressive Architecture urban design citations. He is the author of the book *Rebuilding* and a co-founder of the Congress for New Urbanism.

**Michael Southworth, Ph. D., M.C.P., B. Arch., F.A.I.A. (Professor of the Graduate School)**

Professor Southworth is North American Editor for *The Journal of Urban Design*. His recent research projects and publications have focused on the walkable city, city design for urban wasting, and the evolving form of the American metropolis, particularly the urban edge. His book *Streets and the Shaping of Towns and Cities* (with Eran Ben -Joseph), as well as several journal articles, examine the role of street design standards and development patterns in creating successful neighborhoods and communities. Other work has included livability assessment; urban design to enhance the education and communication functions of cities, especially for children's needs; reuse and preservation plans for older cities, neighborhoods and buildings; design of urban open space networks; and research on large scale urban design theory and methods. He created the award-winning conceptual plans for the Lowell Urban National Cultural Park and the Boott Mill Cultural Center Community in Lowell, Massachusetts. His books (with Susan Southworth) include *Maps: A Visual Survey and Design Guide*, *The AIA Guide to Boston*; and *Ornamental Ironwork: An Illustrated Guide to Its History, Design, and Use in American Architecture*. He was editor and contributor to *Wasting Away* (a posthumous book by Kevin Lynch) and *City Sense and City Design* (with Tridib Banerjee).